

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**



Applicant: Akiko SHIRAI  
Title: DOCUMENT FILING METHOD  
AND SYSTEM  
Appl. No.: Unassigned  
Filing Date: 12/18/01  
Examiner: Unassigned  
Art Unit: Unassigned



**UTILITY PATENT APPLICATION**  
**TRANSMITTAL**

Commissioner for Patents  
Box PATENT APPLICATION  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is the nonprovisional utility patent application of:

Akiko SHIRAI

Enclosed are:

- ☒ [ X ] Specification, Claim(s), and Abstract (54 pages).
- ☒ [ X ] Formal drawings (11 sheets, Figures 1-14).
- ☒ [ X ] Declaration and Power of Attorney (3 pages).
- ☒ [ X ] Assignment of the invention to NEC CORPORATION.
- ☒ ✓ [ X ] Assignment Recordation Cover Sheet.
- ☒ [ X ] Claim for Convention Priority with certified document and translation attached.
- ☒ [ X ] Information Disclosure Statement.
- ☒ [ X ] Form PTO-1449 with copies of 5 listed reference(s).
- ☒ [ X ] Application Data Sheet (37 CFR 1.76).

The filing fee is calculated below:

	Claims as Filed	Included in Basic Fee	Extra Claims	Rate	Fee Totals
Basic Fee				\$740.00	\$740.00
Total Claims:	18	- 20	= 0	x \$18.00	= \$0.00
Independents:	9	- 3	= 6	x \$84.00	= \$504.00
If any Multiple Dependent Claim(s) present:				+ \$280.00	= \$0.00
				SUBTOTAL:	= \$1244.00
[ ] Small Entity Fees Apply (subtract ½ of above):					= \$0.00
				TOTAL FILING FEE:	= \$1,244.00
Assignment Recordation Fee:				+ \$40.00	= \$40.00
				TOTAL FEE	= \$1,284.00

- [ X ] A check in the amount of \$1,284.00 to cover the filing fee and fee for recordation of Assignment is enclosed.
- [ ] The required filing fees are not enclosed but will be submitted in response to the Notice to File Missing Parts of Application.
- [ X ] The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date December 18, 2001

By Thomas S. Blumenthal Reg. No. 43,438

FOLEY & LARDNER  
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PATENT TRADEMARK OFFICE

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